CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/CEMENT/2016-17 Date: 14.02.2017

TEST REPORT ON CEMENT

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of Work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	Cement – Sample 2
Sample Received on	:	11.02.2017
Period of Testing	:	11.02.2017 to 14.02.2017

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988 (RA-2014)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988 (RA-2014)	185 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988 (RA-2014)	470 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988 (RA-2014)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/SAND-Gradation/2016-17 14.02.2017

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of Work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	Fine Aggregates - Sample 2
Technical Reference	:	IS : 2386 (Part 1) - 1963 (RA-2011)
Sample Received On	:	11.02.2017
Date of Testing	:	14.02.2017

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.70	90-100	90-100	90-100	95-100
2.36	76.20	60-95	75-100	85-100	95-100
1.18	41.70	30-70	55-90	75-100	90-100
600 Micron	20.20	15-34	35-59	60-79	80-100
300 Micron	12.20	5-20	8-30	12-40	15-50
150 Micron	2.70	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/AGG/GR/2016-17 14.02.2017

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of Work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	Coarse Aggregates (40mm) - Sample 2
Technical Reference	:	IS : 2386 (Part 1) -1963 (RA-2011)
Sample Received on	:	11.02.2017
Date of Testing	:	14.02.2017

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.18	95-100	85-100
20	36.76	30-70	0-20
10	16.94	10-35	0-5
4.75	3.50	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/AGG/GR/2016-17 14.02.2017

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of Work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	Coarse Aggregates (20mm) - Sample 2
Technical Reference	:	IS : 2386 (Part 1) -1963(RA-2011)
Sample Received on	:	11.02.2017
Date of Testing	:	14.02.2017

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2011)	
		Graded	Single Sized
40	100	100	100
20	96.98	95-100	85-100
10	32.02	25-55	0-20
4.75	3.90	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/MM/W.No.16/Steel/2016-17 15.02.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Samples ID	:	8mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	15.02.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	8	0.39	511	552	13.05	O.K	O.K

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/MM/W.No.16/Steel/2016-17 15.02.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Samples ID	:	10 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	15.02.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	514	555	13.25	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Civil-tech Consultants & Engineers
#23/14, 7th Cross 3rd Stage 4th Block,
Shakth Ganapathinagar,
Basaveshwaranagar, Bangalore-560 07.

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/MM/W.No.16/Steel/2016-17

15.02.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Samples ID	:	12 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	15.02.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	12	0.89	517	558	13.40	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Civil-tech Consultants & Engineers
#23/14 7th Cross 3rd Stage 4th Block,
Shakth Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/MM/W.No.16/Steel/2016-17

15.02.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Samples ID	:	16 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	15.02.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	16	1.58	521	563	13.65	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Civil-tech Consultants & Engineers
#23/14 7th Cross 3rd Stage 4th Block
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 0[illegible]

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/CC Solid Block/2016-17 04.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF SOLID CONCRETE BLOCKS

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of Work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
Technical Reference	:	IS: 2185 (Part-1) - 2005 (RA-2010)
Size of Blocks	:	400mm x 200mm x 200mm
Cross Sectional Area	:	80000 mm^2
No. of Blocks Tested	:	08
Sample Received on	:	27.02.2017
Date of Testing	:	04.03.2015

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS: 2185 (Part-1) - 2005 (RA-2010)
1	Block 1	36.93	283.5	3.54	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	35.24	284.8	3.56	
3	Block 3	35.43	285.3	3.57	
4	Block 4	35.95	281.7	3.52	
5	Block 5	36.75	283.2	3.54	
6	Block 6	35.53	281.9	3.52	
7	Block 7	34.34	281.7	3.52	
8	Block 8	35.82	282.6	3.53	

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/Cube/2016-17

21.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of the work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	RCC Footing Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{15}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	21.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.02.2017	21.03.2017	8.127	478.9	21.28
2	21.02.2017	21.03.2017	8.234	491.7	21.85
3	21.02.2017	21.03.2017	8.347	510.3	22.68

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/Cube/2016-17

31.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of the work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	RCC Plinth Beam Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	31.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.03.2017	31.03.2017	8.154	485.5	21.58
2	03.03.2017	31.03.2017	8.292	502.8	22.35
3	03.03.2017	31.03.2017	8.375	512.9	22.80

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/Cube/2016-17 06.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of the work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	RCC Column Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{15}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	06.04.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.03.2017	06.04.2017	8.175	493.4	21.93
2	09.03.2017	06.04.2017	8.246	483.5	21.49
3	09.03.2017	06.04.2017	8.375	516.7	22.96

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MM/W.No.16/CSR-02/270n/Cube/2016-17

10.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Manjunath,** # 714, Manasiri, 1st Main, 2nd cross, MPM Layout, Kengunte, Bangalore - 56.
* Name of the work	:	Construction of Gym building and Library building at Jalahalli in Ward No. 16, BBMP, Bangalore.
* Reference	:	EE/RRND/Wo.No./107/2015-16 Dated: 16.01.2016
* Sample ID	:	RCC Roof Slab Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	10.05.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.04.2017	10.05.2017	8.146	481.2	21.39
2	12.04.2017	10.05.2017	8.238	501.4	22.28
3	12.04.2017	10.05.2017	8.354	513.9	22.84

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner